

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: **Kazutoshi HARAGUCHI, et al.**

Serial Number: **Not Yet Assigned**

Filed: **April 16, 2004**

For: **POLYMER COMPOSITE, STRETCHED PRODUCT THEREOF AND  
PRODUCTION PROCESSES THEREFOR**

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

April 16, 2004

Sir:


In compliance with 37 CFR 1.56, Applicants call to the attention of the Patent and  
Trademark Office the references listed on the attached PTO-1449.

A copy of each of the references is enclosed herewith.

In the event there are any fees due in connection with the filing of this paper, please  
charge Deposit Account No. 01-2340.

Respectfully submitted,

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PATENT TRADEMARK OFFICE

Enclosures: PTO-1449; References (4)

<b>INFORMATION DISCLOSURE STATEMENT</b> PTO-1449	Atty. Docket No. <b>040183</b>	Serial No. <b>New Application</b>
	Applicant(s): <b>Kazutoshi HARAGUCHI, et al.</b>	
	Filing Date: <b>April 16, 2004</b>	Group Art Unit: <b>Not Yet Assigned</b>

### U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
_____	AA					
_____	AB					

### FOREIGN PATENT DOCUMENTS

Document No.	Date	Country	Translation (Yes or No)
_____	AC		
_____	AD		
_____	AE		
_____	AF		
_____	AG		

### OTHER DOCUMENTS

_____	AH	K. Haraguchi, et al.; "The preparation and characterization of hybrid materials composed of phenolic resin and silica"; <i>Journal of Materials Science</i> ; Vol. 33; 1998; pp. 3337-3344./Discussed in the specification.		
_____	AI	A. Usuki, et al.; "Swelling behavior of montmorillonite cation exchanged for $\omega$ -amino acids by $\epsilon$ -caprolactam"; <i>J. Mater. Res.</i> ; Vol. 8; No. 5; May 1993; pp. 1174-1178./ Discussed in the specification.		
_____	AJ	T.J. Pinnavaia, et al.; "Polymer-Clay Nanocomposites"; <i>Wiley Series in Polymer Science</i> ; 2000; cover sheet and contents only (9 Sheets)/Discussed in the specification.		
_____	AK	K. Haraguchi, et al.; "Effects of Clay Content on the Properties of Nanocomposite Hydrogels Composed of Poly(N-isopropylacrylamide) and Clay"; <i>Macromolecules</i> ; Vol. 35; No. 27; 2002; pp. 10162-10171./Discussed in the specification.		
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